

"A mounting arrangement for high-frequency electro-optical components"

ABSTRACT

5 An auxiliary component such as a bias inductance
 (6) associated with a laser source (2) is mounted
 generally "upright", that is with its major dimension
 substantially orthogonal to the general plane of the
 submount (S) supporting both the laser (2) and the
10 auxiliary component (6). The inductor (6) is preferably
 mounted at a location displaced laterally with respect
 to the lasing direction (X) of the laser source. The
 arrangement preferably includes a submount (S) with a
 recess (13) and at least part of the laser driver is
15 arranged in the recess so that the driver (3) has an
 end surface extending from the recess substantially
 flush with the pad (12) for mounting the laser source.
 The arrangement minimises surface occupation as well as
 RF and EMI parasitic effects related to wirebonding.
20 (Figure 2)